LLL	111111111	88888888888	RRRRRRRRRRR	***************************************	LLL
iii	111111111	88888888888	RRRRRRRRRRR	**********	LLL
iii	111111111	88888888BBB	RRRRRRRRRRR	******	ili
ill	********			111111111111111111111111111111111111111	
111	***		RRR RRR	III	LLL
LLL	111	BBB BBB	RRR RRR	III	LLL
LLL	111	888 888	RRR RRR	III	LLL
LLL	111	BBB BBB	RRR RRR	TTT	LLL
LLL	III	888 888	RRR RRR	TTT	LLL
LLL	III	888 888	RRR RRR	TTT	LLL
LLL	111	BBBBBBBBBBBB	RRRRRRRRRRR	TTT	iii
LLL	ĪĪĪ	88888888888	RRRRRRRRRRR	ŤŤŤ	III
III	îii	88888888888	RRRRRRRRRRR	ŤŤŤ	iii
iii	111	888 888	RRR RRR	ŤŤŤ	
iii	111	888 888	RRR RRR		LLL
	111	000 000		iii	LLL
LLL	111	BBB BBB	RRR RRR	III	LLL
LLL	111	888 888	RRR RRR	III	LLL
LLL	111	888 888	RRR RRR	TTT	LLL
LLL	III	BBB BBB	RRR RRR	TTT	LLL
LLLLLLLLLLLLLL	IIIIIIIII	BBBBBBBBBBBB	RRR RRR	TTT	LLLLLLLLLLLLLLL
LLLLLLLLLLLLLLL	IIIIIIIII	BBBBBBBBBBBB	RRR RRR	TTT	LLLLLLLLLLLLLLLL
LLLLLLLLLLLLLLL	IIIIIIIII	88888888888	RRR RRR	ŤŤŤ	LLLLLLLLLLLLLLL

LI

	BBBBBBBB BBBBBBBBB BB BB BB BB BB BB BBBBBB	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	
	\$					

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15-SEP-1984 23:46:24 VAX/VMS Macro V04-00 LIB\$\$ADDP\_R7 Table of Contents Add two packed decimal numbers Page 0 HISTORY DECLARATIONS LIB\$\$ADDP\_R7 ; Detailed Current Edit History

11222222222223333333333333

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TITLE LIB\$\$ADDP\_R7 Add two packed decimal numbers ; File: LIBADDP.MAR Edit: MDL1002

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ABSTRACT:

This module contains the routine that adds two packed decimal numbers.

VERSION: 1

HISTORY:

AUTHOR:

Pamela L. Levesque, 3-feb-1982

MODIFIED BY:

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LIB$$ADDP_R7
1-002
                                         Add two packed decimal numbers LIB$$ADDP_R7
                                                                                              15-SEP-1984 23:46:24
6-SEP-1984 11:03:05
                                                                                                                           VAX/VMS Macro V04-00 [LIBRTL.SRC]LIBADDP.MAR; 1
                                                         890123456789901234567
1007
                                                                         .SBTTL LIB$$ADDP_R7
                                                                FUNCTIONAL DESCRIPTION:
                                                                        Adds two packed decimal numbers.
                                                CALLING SEQUENCE:
                                                                        JSB LIB$$ADDP_R7 (addlen.rl.v, addaddr.rp.r, sumlen.ml.v, sumaddr.mp.r)
                                                                        Arguments are passed in R4, R5, R6 and R7.
                                                                FORMAL PARAMETERS:
                                                                                             length of addend address of addend string
                                                                        addlen.rl.v
                                                                        addaddr.rp.r
                                                                        sumlen.ml.v
                                                                                             length of sum
                                                                        sumaddr.mp.r
                                                                                             address of sum string
                                                         108
                                                         109
                                                                IMPLICIT INPUTS:
                                                         110
                                                         111
                                                                        NONE
                                                         112
113
114
115
                                                                IMPLICIT OUTPUTS:
                                                                        NONE
                                                         116
                                                0000
                                                                FUNCTION VALUE:
                                                0000
0000
                                                         118
119
                                                                        NONE
                                               SIDE EFFECTS:
                                                                        Destroys registers RO through R7.
                                                              LIB$$ADDP_R7::
                                                             ; perform the requested addition. note that this instruction always leaves ; the value 0 in RO. If overflow occurs, the V-bit in the PSL will be set.
                                    54
03
01
                                          20
10
05
                67
                       56
                                                                        ADDP4
                                                                                  R4, (R5), R6, (R7)
                                                                        BVS
                                                                                                                    overflow occured?
                                                        136
137
138
139
                             50
                                                                                  #1,R0
                                                                        MOVL
                                                                                                                 ; no overflow, return success
                                                              105:
                                                                        RSB
                                                000B
                                                000B
                                                                        .END
```

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7 LIBSSADDP R7 VAX/VMS Macro V04-00 [LIBRTL.SRC]LIBADDP.MAR; 1 Add two packed decimal numbers (4) Symbol table LIB\$\$ADDP\_R7 00000000 RG 01 Psect synopsis! PSECT name Allocation PSECT No. Attributes 00000000 0.) NOPIC ABS LCL NOSHR NOEXE NORD USR CON NOWRT NOVEC BYTE \_LIB\$CODE 00000008 01 ( USR SHR EXE NOWRT NOVEC LONG RD Performance indicators Phase Page faults CPU Time **Elapsed Time** 00:00:00.06 00:00:00.33 00:00:00.23 00:00:00.00 00:00:00.17 00:00:00.00 00:00:00.00 00:00:00.79 00:00:02.87 00:00:01.28 00:00:00.00 Initialization Command processing 67 Pass 1 Symbol table sort 39220 Pass 2 00:00:00.00 Symbol table output Psect synopsis output 00:00:00.02 00:00:00.00 00:00:00.00 Cross-reference output 00:00:00.81 Assembler run totals The working set limit was 900 pages.
1304 bytes (3 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 1 non-local and 1 local symbols.
139 source lines were read in Pass 1, producing 8 object records in Pass 2.
0 pages of virtual memory were used to define 0 macros. Macro library statistics ! Macros defined Macro Library name 0 \$255\$DUA28:[SYSLIB]STARLET.MLB:2

..

O GETS were required to define O macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL, TRACEBACK)/LIS=LIS\$:LIBADDP/OBJ=OBJ\$:LIBADDP MSRC\$:LIBADDP/UPDATE=(ENH\$:LIBADDP)

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